

Type C - Heavy Duty Mechanical Door Controls

REL.4000 Series - 'Smoother' & 'Super Smoother' Heavy Duty Mechanical Door Controls

An Introduction

More than any other, the **REL.4000** series heavy duty closer cylinder is the mechanism upon which our reputation is built. Closers incorporating this cylinder are controlling doors in many of the worst possible situations worldwide and they do so for incredible numbers of operating cycles without maintenance or adjustment. This continuing unsurpassed performance in real world situations demonstrates the excellence of the engineering far more conclusively than even the almost incredible results of the recently updated, independently monitored, **10 million** full load cycles test.



REL.4000 Smoother - No Compromises

The **REL.4000** series 'Smoother' has three separate 'application specific' designs employing the regular arm configuration -

- **REL.4010** Hinge (Pull Side) Mounting - Fig. 1
- **REL.4020** Top Jamb (Push Side) Mounting - Fig. 61
- **REL.4110** Stop Face (Push Side) Mounting - Fig. 6



Fig. 6



Fig. 1

Additionally, different models are used for the aesthetically more pleasing but less efficient track arm units. Each model (both regular and track arm) is designed specifically to do the job for which it was intended. There are no design compromises and the result is what we believe to be the best door closer in the world.



REL.4010T

All application specific designs require an additional amount of specification work since the mounting position and hand of the door must be agreed. The reward for this small amount of additional preparation work will be years of trouble free and maintenance free perfection.

REL.4000 Super Smoother - A Specifier's Delight

The **REL.4000** series 'Super Smoother' meets stockists requirements since it is a fully universal solution. Because of its versatile design it will suit both left and right hand doors, in any of three mounting positions.

- **REL.4041** Hinge (Pull Side) Mounting - Fig. 1
- **REL.4041** Top Jamb (Push Side) Mounting - Fig. 61
- **REL.4041P** Stop Face (Push Side) Mounting - Fig. 6



Fig. 61

'Super Smoothers' incorporate the same high level of fine tuning adjustment as the 'Smoother' range. Spring power strength can be set to suit the door size and conditions. The **REL.4041** cylinder is adjustable through sizes 1 to 6.

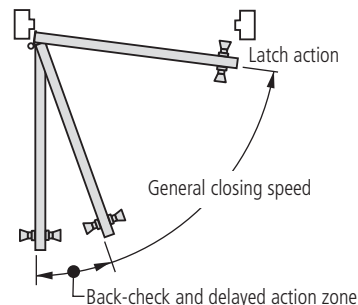
Additionally, a different model is used for the aesthetically more pleasing but less efficient track arm units.



REL.4041T

'Smoother' & 'Super Smoother' - Controls & Adjustments

All models, both 'Smoother' and 'Super Smoother' have full hydraulic, rack and pinion action with spring power adjustment and all have three hydraulic controls for **latch action**, **general closing speed** and **back-check**. Each hydraulic control is totally independent and adjusting one will not affect another.



The non-critical nature of the adjustment of the valves means that several complete turns of the hex key are necessary for the full range of adjustment.

Delayed closing action is an optional feature available on all **REL.4000** Series 'Smoother' and 'Super Smoother' closers (except size 6 versions).